

Perforce and Parasoft Collaborate on Development & Testing Platform

Press Release

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Perforce Software and Parasoft announced the integration of Parasoft's Development Testing Platform, which helps developers prevent software defects, with Perforce Swarm, the social coding solution from Perforce. Together, the two technologies streamline critical components of an enterprise's continuous delivery pipeline.

Swarm enables globally dispersed development teams to collaborate on their code. It provides code review workflows -- before or after code is committed -- and conversations in context of the code. Parasoft's Continuous Testing Platform helps developers meet business expectations by preventing software defects that lead to catastrophic application failures. It provides complete capabilities for service virtualization and development testing for distributed applications.

The joint solution automates the code quality processes and enables developers to collaborate on bugs and fixes. The integration automatically retrieves the latest version of code from Perforce's source control repository and performs advanced analysis such as static code analysis or unit testing according to predefined policies. These tests are executed as part of the code review process from within Swarm. If the test fails, the reviewers are notified. When a reviewer examines code changes, results of testing are also made available in Swarm to facilitate a more informed decision about the code review. Using proven development testing practices, reviewers can easily verify whether the code change conforms to the quality best practices prescribed by the enterprise.

"Code quality impacts the stability, security and performance of the end product, which is why defect testing is critical," said Christopher Seiwald, founder and CEO of Perforce. "With this integration, code review, code analysis, build, and test are now a single seamless process, which helps companies reduce the time between a good idea and getting that product into their customers' hands."

"Automated development testing practices combined with collaborative code review deliver an unparalleled level of defect prevention," added Wayne Ariola, chief strategy officer at Parasoft. "Whereas it takes human intelligence to validate the correct functionality, technologies like static code analysis and unit testing can expose elusive defects that would most likely not be detected by the human eye."